

## WHAT IS CLAIMED IS:

1. A method for tracking part histories for a set of serialized parts, said method comprising:  
providing a database of part status data;  
noting when a service outage affecting one or more of said parts occurs; and  
for each part in said database, entering the part status at the end of said outage into said database.
2. The method of claim 1 further comprising using part status data to evaluate remaining life for one or more of said parts.
3. The method of claim 1 wherein said database is a relational database comprising multiple tables linked by keys.
4. The method of claim 1 wherein said database uses text and/or numeric descriptors to represent part statuses.
5. The method of claim 1 wherein said part status data is sorted by part serial number.
6. The method of claim 1 wherein said part status data is sorted by part status.
7. The method of claim 1 further comprising calculating cumulative run hours for one or more of said parts.
8. The method of claim 1 further comprising calculating cumulative starts for one or more of said parts.
9. A method for tracking part histories for a set of serialized parts used in one or more gas turbine engines, said method comprising:  
providing a database of part status data;  
noting an engine outage date associated with a service outage of one or more of said engines; and

for each part in said database, entering the part status at the end of said outage into said database.

10. The method of claim 9 wherein said engine outage date is the date one of said engines is shut down.

11. The method of claim 9 further comprising using part status data to evaluate remaining life for one or more of said parts.

12. The method of claim 9 wherein said database is a relational database comprising multiple tables linked by keys.

13. The method of claim 12 wherein said keys are selected from the group consisting of engine serial number, part serial number and engine outage date.

14. The method of claim 9 wherein said database uses shorthand descriptors to represent part statuses.

15. The method of claim 14 wherein said database uses text descriptors to represent new part status, transferred part status and scrapped part status.

16. The method of claim 14 wherein said database uses numeric descriptors to represent which one of said engines a part is installed in and which position in said engine a part is located.

17. The method of claim 9 wherein said part status data is sorted by part serial number.

18. The method of claim 9 wherein said part status data is sorted by part status.

19. The method of claim 9 further comprising calculating cumulative run hours for one or more of said parts.

20. The method of claim 9 further comprising calculating cumulative starts for one or more of said parts.